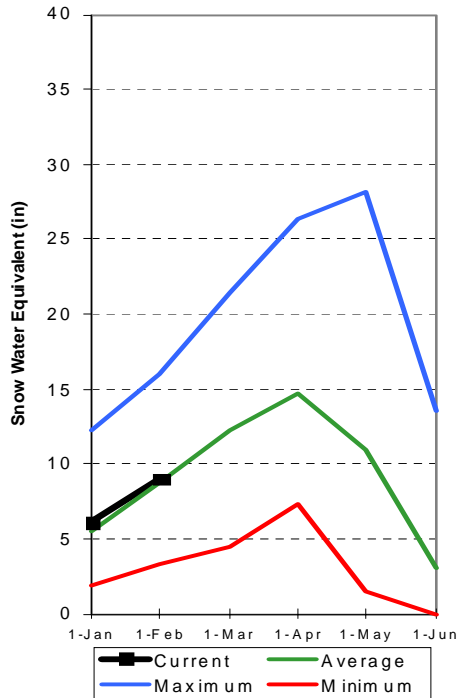# Sevier and Beaver River Basins
February 1, 2009

Snowpacks on the Sevier River Basin are near normal at 103% of average, a 7% decline relative to last month and 77% of last year. Individual sites range from 70% at Beaver Dams to 160% of average at Harris Flat. Precipitation during January was near average at 105% of normal, bringing the seasonal accumulation (Oct-Jan) to 115% of average. Soil moisture estimates in runoff producing areas are at 43% of saturation in the upper 2 feet of soil compared to 39% last year. Streamflow forecasts range from 80% to 111% of average. Reservoir storage is at 45% of capacity, 11% less than last year. Surface Water Supply Indices are: Upper Sevier 37%, Lower Sevier 51% and Beaver 55%. Water supply conditions are slightly below average on the upper Sevier and near average on the lower Sevier and the Beaver River watersheds.
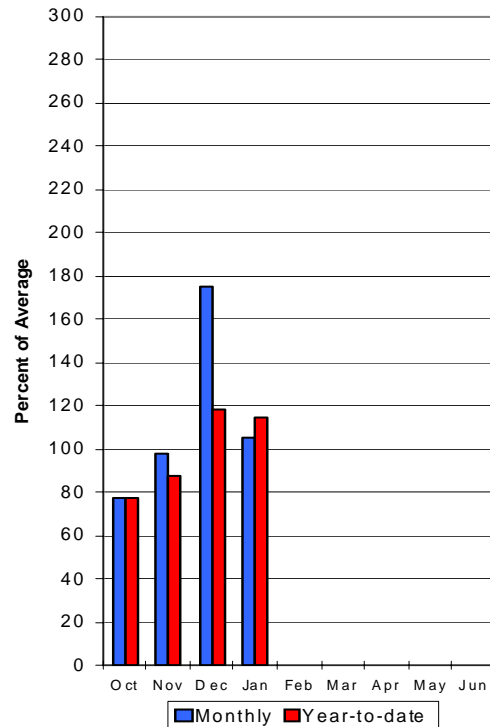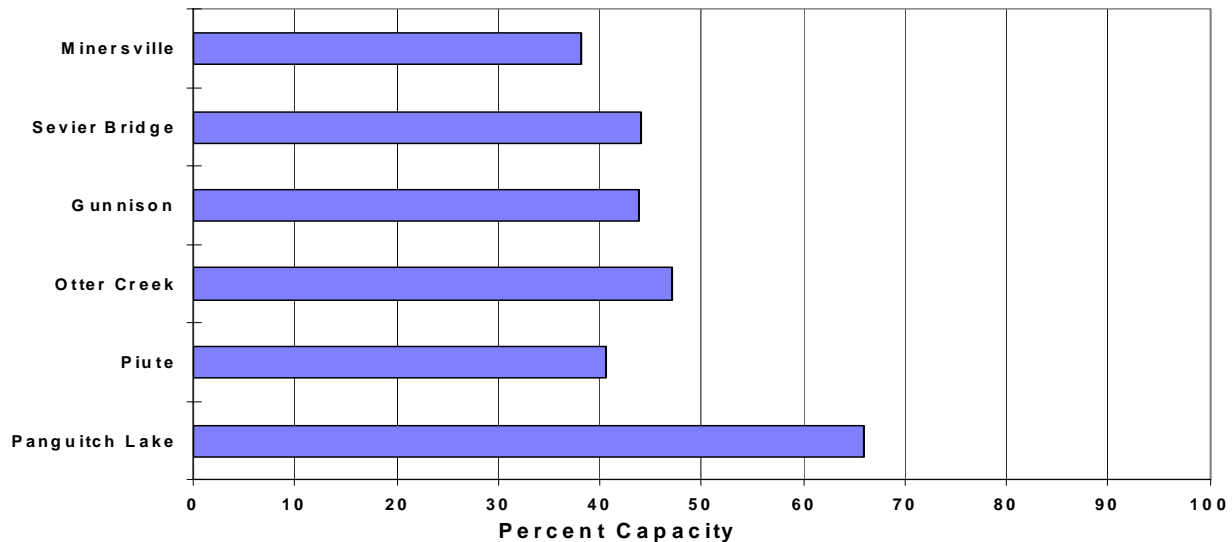
Sevier River Snowpack
2/1/2009

Sevier River Precipitation
2/1/2009

Reservoir Storage
2/1/2009

```
========================================================================================================================
                                         SEVIER & BEAVER RIVER BASINS
                                    Streamflow Forecasts - February 1, 2009
========================================================================================================================
                                     |  <<====== Drier ======  Future Conditions  ======  Wetter ====>>  |
                                     |  ================================ Chance Of Exceeding * ================================  |
  Forecast Point          Forecast   |   90%      70%    |         50%        |     30%      10%    |   30-Yr Avg.
                           Period     | (1000AF)  (1000AF)|    (1000AF)  (% AVG.)|  (1000AF)  (1000AF)|    (1000AF)
========================================================================================================================
Sevier R at Hatch, UT           APR-JUL       30        44   |      54         98   |      64        78   |        55
                                             |                               |                    |
Sevier R nr Kingston, UT        APR-JUL      9.0             |      32         97   |               73   |        33
                                             |                               |                    |
EF Sevier R nr Kingston, UT     APR-JUL     17.0             |      36        103   |               55   |        35
                                             |                               |                    |
Sevier R blw Piute Dam nr Marysvale, APR-JUL  41            |      87         96   |              133   |        91
                                             |                               |                    |
Clear Creek Abv Diversions nr Sevier APR-JUL  9.9      17.1  |      22        100   |      27        34   |        22
                                             |                               |                    |
Salina Ck at Salina, UT         APR-JUL      3.5      11.3   |    19.0         96   |      29        47   |      19.7
                                             |                               |                    |
Manti Ck Blw Dugway Ck Nr Manti APR-JUL      9.2      12.9   |    15.8         86   |    19.0        24   |      18.3
                                             |                               |                    |
Sevier R nr Gunnison, UT        APR-JUL     14.0             |      90         85   |              275   |       106
                                             |                               |                    |
Chicken Creek nr Levan          APR-JUL     1.29      2.50   |    3.60         80   |    5.00       7.70  |      4.50
                                             |                               |                    |
Oak Creek nr Oak City           APR-JUL     0.70      1.09   |    1.40         84   |    1.75       2.30  |      1.66
                                             |                               |                    |
Beaver R nr Beaver, UT          APR-JUL     15.1        24   |      30        111   |      36        45   |        27
                                             |                               |                    |
Minersville Reservoir           APR-JUL      4.3      10.5   |    17.0        102   |      26        44   |      16.6
                                             |                               |                    |
========================================================================================================================
              SEVIER & BEAVER RIVER BASINS                  |              SEVIER & BEAVER RIVER BASINS
        Reservoir Storage (1000 AF) - End of January        |        Watershed Snowpack Analysis - February 1, 2009
============================================================|============================================================
                          Usable | *** Usable Storage ***   |                          Number    This Year as % of
                        Capacity| This     Last             |                            of      =================
Reservoir                       | Year     Year      Avg    | Watershed               Data Sites  Last Yr   Average
============================================================|============================================================
GUNNISON                    20.3    8.9      2.5     13.1   | UPPER SEVIER RIVER (south    8         78        115
                                                            |
MINERSVILLE (RkyFd)         23.3    8.9      7.3     14.4   | EAST FORK SEVIER RIVER       3         85        103
                                                            |
OTTER CREEK                 52.5   24.7     29.3     36.5   | SOUTH FORK SEVIER RIVER      5         74        121
                                                            |
PIUTE                       71.8   29.2     38.6     49.5   | LOWER SEVIER RIVER (inclu    6         74         88
                                                            |
SEVIER BRIDGE              236.0  103.7    141.0    159.6   | BEAVER RIVER                 2         97        112
                                                            |
PANGUITCH LAKE              22.3   14.7     13.2    131.4   | SEVIER & BEAVER RIVER BAS   16         79        103
                                                            |
========================================================================================================================
```

 * 90%, 70%, 50%, 30%, and 10% chances of exceeding are the probabilities that the actual volume will exceed the volumes in the table.

The average is computed for the 1971-2000 base period.

(1) - The values listed under the 10% and 90% Chance of Exceeding are actually 5% and 95% exceedance levels.
(2) - The value is natural volume - actual volume may be affected by upstream water management.